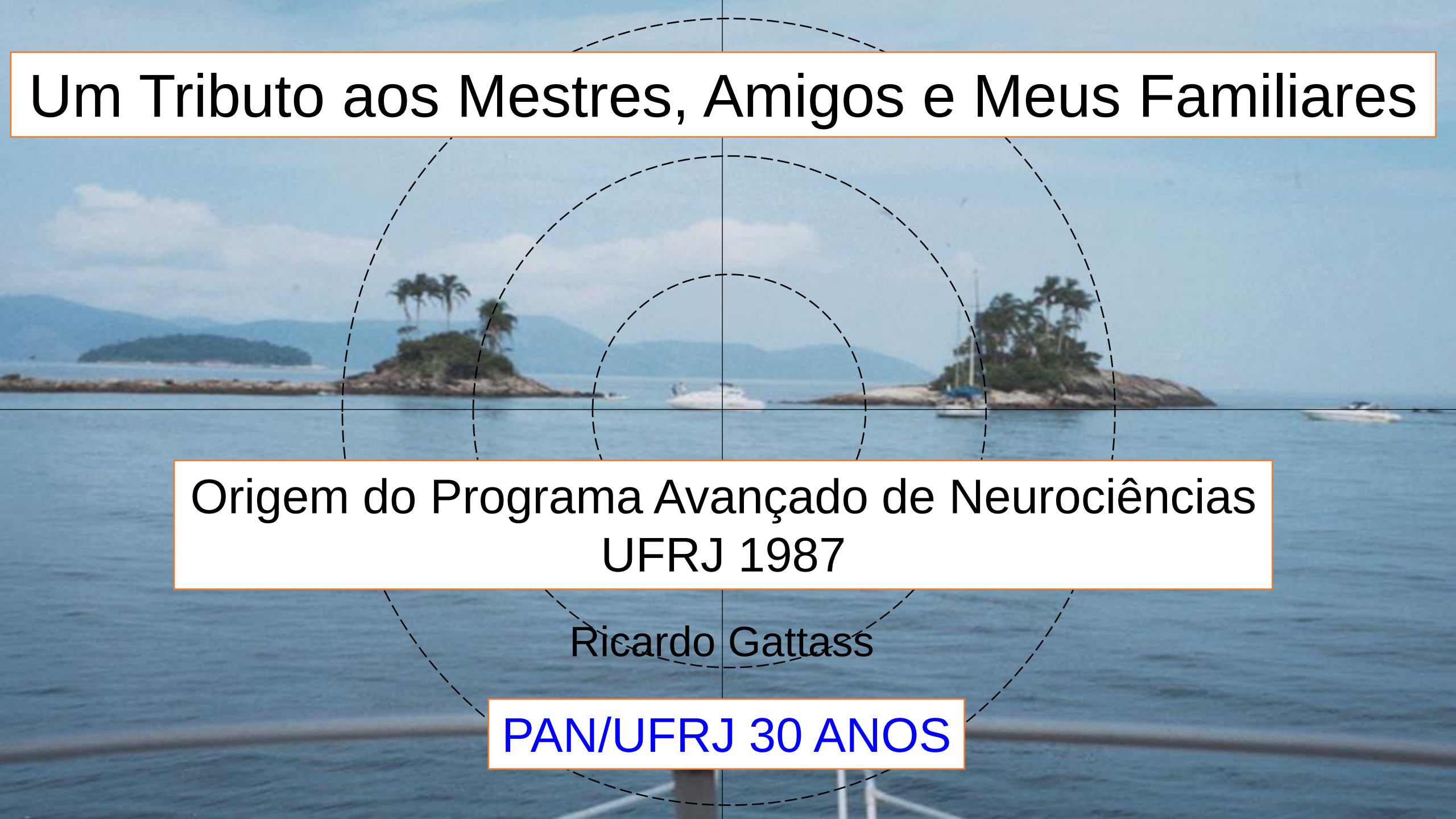


Um Tributo aos Mestres, Amigos e Meus Familiares

Origem do Programa Avançado de Neurociências UFRJ 1987

Ricardo Gattass

PAN/UFRJ 30 ANOS

PAN

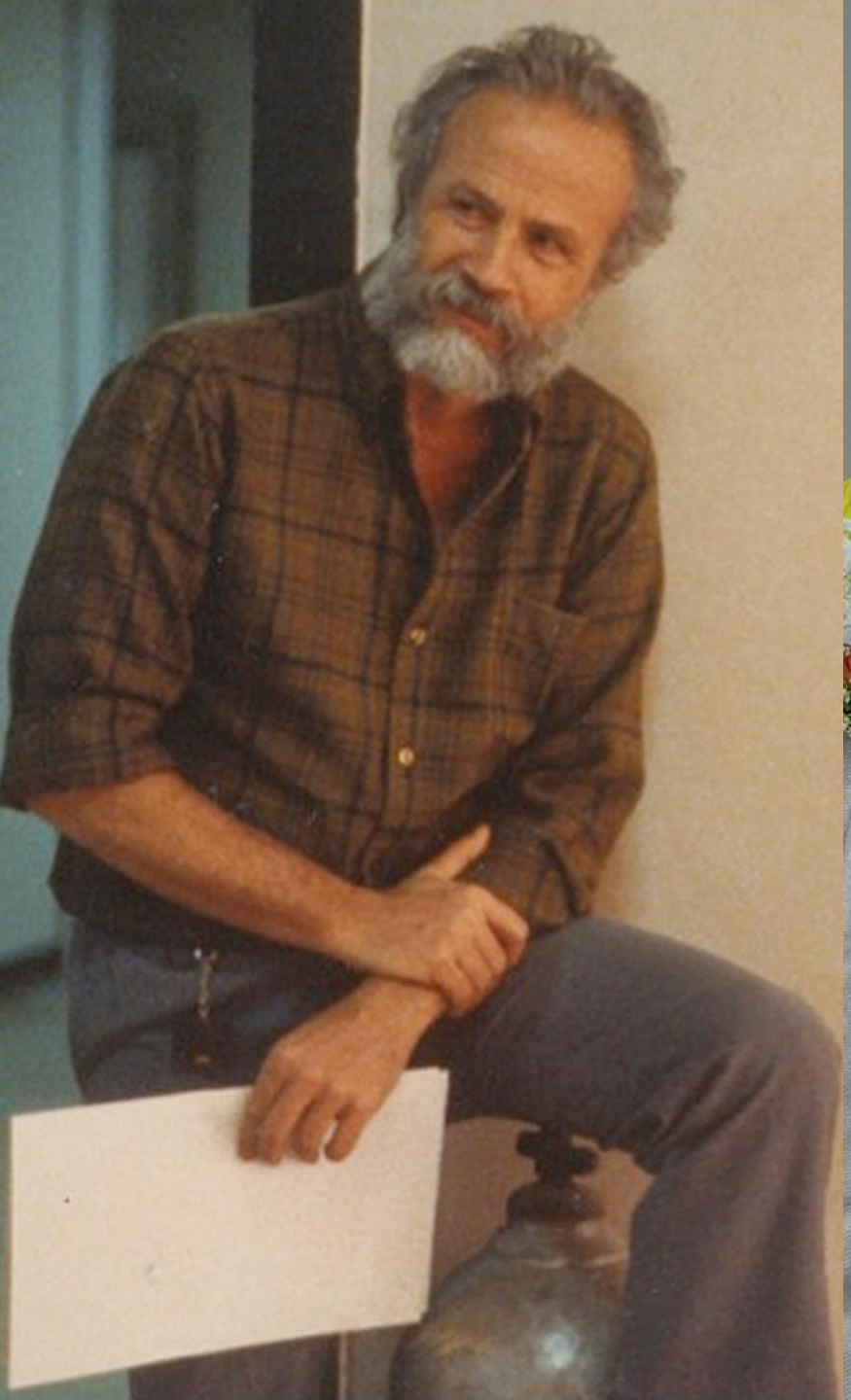
2004

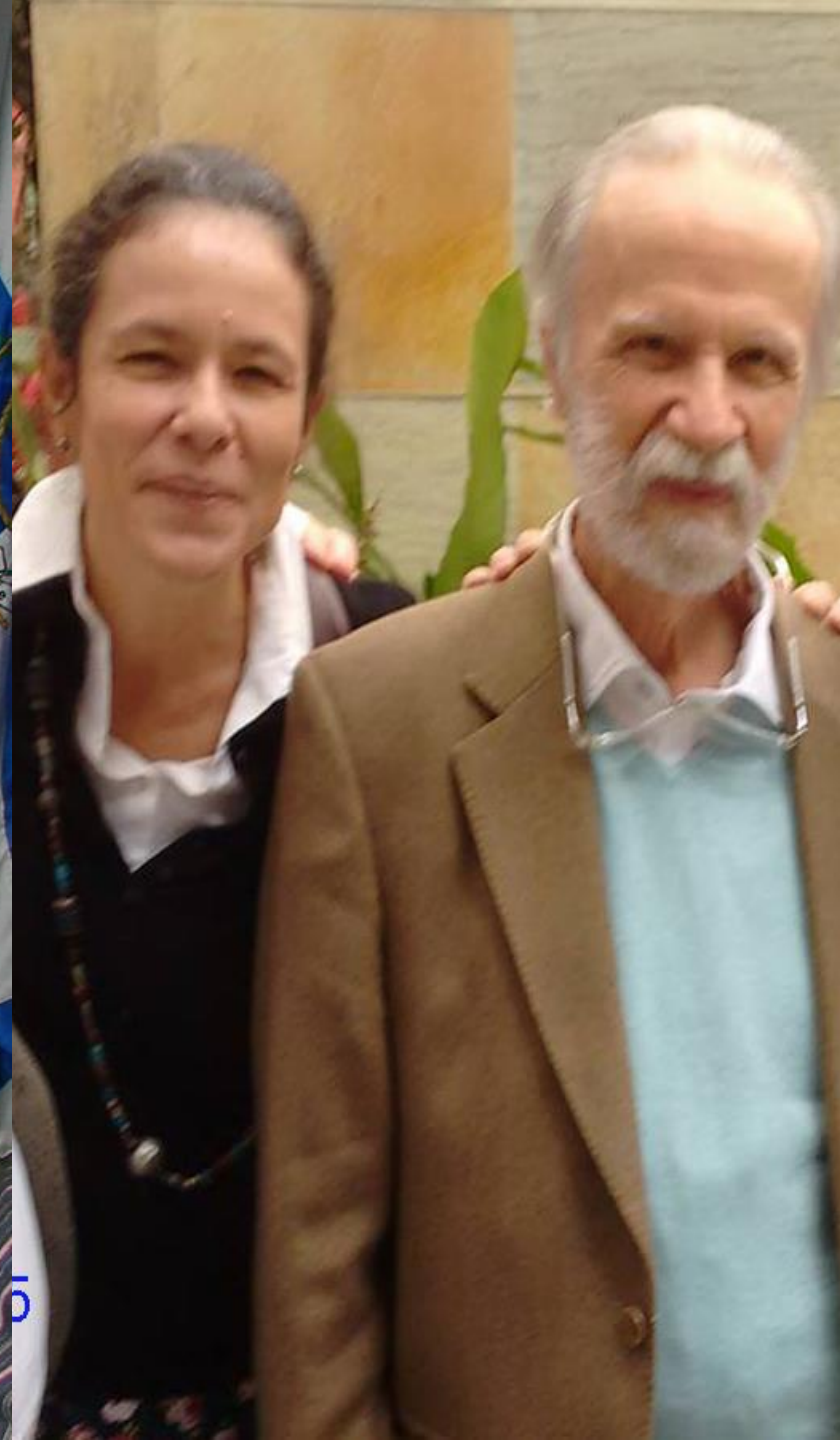
O PAN foi criado em 1987 (Resolução CEPG 03/1987) e eu fui seu primeiro vice-coordenador.

Coordenador: **Carlos Eduardo G. Rocha Miranda**
Vice-coordenador: **Ricardo Gattass**
Secretária: **Maria Luiza Mattos**

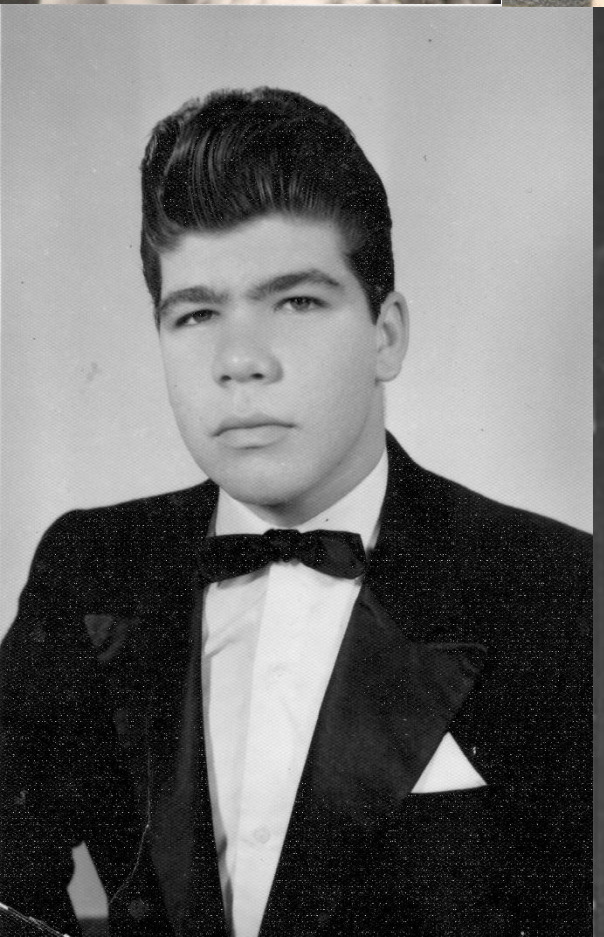
COORDENADORES:
1987 - 1988 - Coordenador Carlos Eduardo G. Rocha-Miranda e Vice Ricardo Gattass
1989 – Primeiro Apoio FINEP – Coordenador RGattass (*Dr. Wilson Chagas de Araújo*)
1990 – Segundo Apoio FINEP – Coordenador RGattass
1990 – PRONEX Neuro
1989 -1990 - Coordenador Ricardo Gattass
1991-1992 - Coordenador Carlos Eduardo G de Rocha Miranda
1993 -1996 Coordenador Ricardo Gattass
1997 -2000 Coordenador Roberto Lent
2001 – 2003 Coordenador Rafael Linden
2004 - 2006 - Coordenador Vivaldo Moura Neto
2007– 2010 Coordenadora Jan Nora Hockoç
2011 – 2013 Coordenadora Eliane Volchan
2014 – 2015 Coordenador Ricardo Reis
2016 – 2017 Coordenadora Cecília Hedin-Pereira

Laboratório de Fisiologia da Cognição






...and thanks to ...
... Raymundo Bernardes



Prêmio da Faculdade de Medicina

...Muito obrigado para...

... thanks to ...




5 5 '04




IBEROEKA
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II26

Architectonic mapping of somatosensory areas involved in skilled forelimb movements and tool use

Mayer AO[1]; Luiz MNS[1]; Keher NB[1]; Bittencourt-Navarrete RE[2]; Gattass R[1]; Franca JG[1]

[1] Instituto de Biofísica Carlos Chagas Filho, Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil

[2] Departamento de Fisiologia, Instituto de Ciências Biológicas, Universidade Federal de Juiz de Fora, Juiz de Fora, Brazil

Cebus monkeys stand out from other New World monkeys by their ability to perform fine hand movements and use tools. Those behaviors rely on the processing and integration of somatosensory information, which occurs in different areas of the parietal cortex.

In this study, we used SMI-32 immunohistochemistry, myelin and Nissl preparations to characterize the architecture of the parietal cortical areas of cebus monkeys.

Methods:

7 adult cebus monkeys:

1) Electrophysiological mapping around and lateral to the tip of intraparietal sulcus.

2) Brain sectioning: parasagitally, coronally or horizontally at 40 or 50 µm.

3) Histological procedures: Nissl staining (all cases); myelin and/or SMI-32 immunohistochemistry (2 cases).

4) Data analysis: performed on images collected using a 5x a microscope equipped with the Neurolucida system

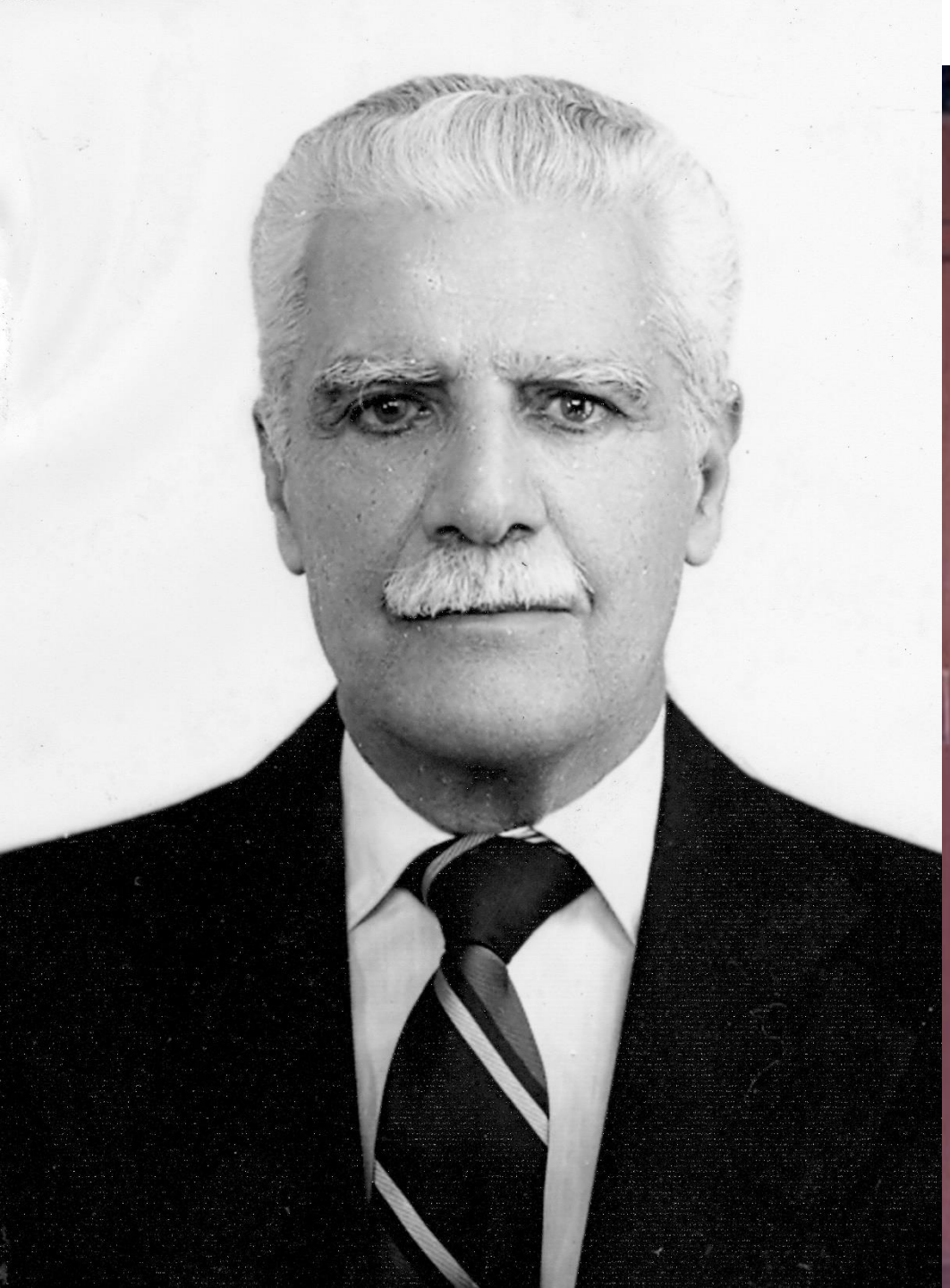
CONCLUSIONS

1) Cebus monkeys have a relatively complex somatosensory cortex. This suggests that, during primate evolution, the emergence of new somatosensory areas permitted the development of complex manual behaviors.

2) Except for areas 3a and 3b, distinction between different somatosensory areas was much more evident in myelin-stained sections and SMI-32 immunohistochemistry than Nissl staining.

RICARDO GATTASS
MD, PhD
IBCCF/UFRJ

MEMBER



The Real Motivation - Dedicatory

We wish to dedicate this work to Thelma W. Galkin for her help, inspiration and skillful technical assistance at every stage of this work. Thelma reconstructed the lateral view of the claustrum and instigated us to search for its connections and function. This work is a tribute to this nice, serious, lovely and outgoing person that inspired us to look for the thin unknown hidden claustrum.

Thelma in Teresopolis

Thelma in Rio

Princeton 1978


I hate golf
I hate golf
"Nice shot"
I love golf...


NEW ORLEANS
LOUISIANA



ATO IV
1122


8812
Columnar Organization of Area MT in Cebus apella.
Diogo, A.C.M., Soares, J.G.M., Gattass, R. - IBCCF, UFRJ,
21941-900, Rio de Janeiro, RJ - Brazil.
269.2


PRINCES


JOHN HARVARD

... e ao meu time ....